

REMARKS

This paper is being submitted concurrently with a Request for a Continued Examination (RCE) and following a Notice of Allowance dated November 5, 2007.

The specification is amended to correct typographical errors and to update patent application numbers with U.S. patent numbers, which were not previously known.

Applicants appreciate the allowance of claim 1. Applicants respond to the statements made by the Examiner in the Examiner's Statement of Reasons for Allowance mailed to Applicants on November 5, 2007, as follows: although Applicants believe that claim 1 is allowable over the references of record, the Examiner's Reasons for Allowance do not coincide with the allowed claim. Applicants do not acquiesce in additional limitations included in the Examiner's Reasons for Allowance.

Claim 1 is amended to provide antecedent basis, correct typographical errors, and to change the word "said" to "the." Applicants believe that amended claim 1 is allowable over the references of record.

Claims 2-20 are added.

New claims 2-8 depend from allowed claim 1. Applicants believe that new claims 2-8 are allowable for at least this reason.

Applicants believe that new claims 9-16 are allowable over the art of record because the references of record fail to teach or suggest

at least one processor configured to process the plurality of discrete events, the at least one processor being configured to concurrently process individual ones of the plurality of segments, wherein the at least one processor is configured to sequentially process individual discrete events contained within a segment, sequentially process individual independent sub-events of an individual

discrete event, and store the results in the at least one memory circuit, wherein the at least one processor is configured to re-process individual, failed segments after deactivating and reinitializing the individual, failed segment with corresponding data retrieved from the at least one memory circuit,

as required by new claim 9. Accordingly, Applicants respectfully request an allowance of claims 9-16.

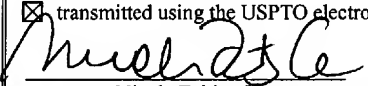
Applicants believe that new claims 17-20 are allowable over the art of record because the references of record fail to teach or suggest

concurrently processing, on at least one processor, the individual segments based on the data associated with the individual segments, wherein processing a segment of the individual segments comprises: sequentially processing individual discrete events associated with the segment; sequentially processing individual independent sub-events of the discrete event; storing the results of the sequential processing individual independent sub-events; monitoring the processing of the individual segments to detect failures; and when a failure is detected, deactivating processing of the segment corresponding to the failure and reprocessing the segment corresponding to the failure based on the contents of the data table,

as required by new claim 17. Accordingly, Applicants respectfully request an allowance of claims 17-20.

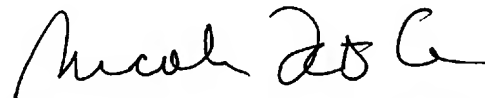
In summary, all claims are believed to be allowable over the art of record, and a Notice of Allowance to that effect is respectfully solicited. Nonetheless, if any issues remain that could be

more efficiently handled by telephone, the Examiner is requested to call the undersigned at the number listed below.

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 Nicole Teitler Cave	<u>1/29/08</u> Date

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Respectfully submitted,



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